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Amendments to the Claims

The following listing of Claims, in which deleted text appears as ~~struck through~~ and inserted text appears underlined, will replace all prior listings, and versions, of the claims in the application.

Listing of Claims

Claim 1 (withdrawn): An isolated cellulase protein selected from the group consisting of a CBH1 from *Hypocrea schweinitzii*, *Hypocrea orientalis*, *Trichoderma pseudokoningii* and *Trichoderma konilangbra*.

Claim 2 (withdrawn): The isolated cellulase protein of Claim 1 wherein said protein is the CBH1 from *Hypocrea orientalis* comprising the amino acid sequence according to SEQ ID NO:5.

Claim 3 (withdrawn): The isolated cellulase protein of Claim 1 wherein said protein is the CBH1 from *Hypocrea schweinitzii* comprising the amino acid sequence according to SEQ ID NO:8.

Claim 4 (withdrawn): The isolated cellulase protein of Claim 1 wherein said protein is the CBH1 from *Trichoderma konilangbra* comprising the amino acid sequence according to SEQ ID NO:11.

Claim 5 (withdrawn): The isolated cellulase protein of Claim 1 wherein said protein is the CBH1 from *Trichoderma pseudokoningii* comprising the amino acid sequence according to SEQ ID NO:14.

Claim 6 (currently amended): A variant *H. jecorina* CBH1 cellulase, wherein said variant comprises a substitution or deletion at a position corresponding to T66 of the mature *H. jecorina* CBH1 protein (~~SEQ ID NO: 1~~) (SEQ ID NO: 2), wherein said variant *H. jecorina* CBH1 cellulase has cellulolytic activity and said variant is encoded by a nucleic acid sequence that hybridizes to a nucleic acid sequence having about 80% sequence identity to (SEQ ID NO: 1).

Claim 7 (currently amended): A variant *H. jecorina* CBH1 cellulase according to Claim 6, wherein said variant further comprises a substitution at a position corresponding to a

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residue selected from the group consisting of Q186(E), S195(A/F), E239S, G242(H/Y/N/S/T/D/A) and P412(T/S/A).

Claim 8 (withdrawn): An isolated nucleic acid sequence which encodes or is complementary to a sequence which encodes a CBH1 polypeptide selected from the group consisting of the amino acid sequences presented as SEQ ID NO:5, 8, 11 and 14.

Claim 9 (withdrawn): An isolated nucleic acid selected from the group consisting of SEQ ID NO: 3, 6, 9 and 12.

Claim 10 (withdrawn): An isolated nucleic acid sequence encoding a CBH1 according to Claim 6.

Claim 11 (withdrawn): A vector comprising a nucleic acid according to claim 8.

Claim 12 (withdrawn): A vector comprising a nucleic acid according to claim 9.

Claim 13 (withdrawn): A vector comprising a nucleic acid according to claim 10.

Claim 14 (withdrawn): A host cell transformed with the vector of claim 11.

Claim 15 (withdrawn): A host cell transformed with the vector of claim 12.

Claim 16 (withdrawn): A host cell transformed with the vector of claim 13.

Claim 17 (withdrawn): A method of producing a CBH I variant comprising the steps of:

- (a) culturing the host cell according to claim 14 in a suitable culture medium under suitable conditions to produce CBH I variant;
- (b) obtaining said produced CBH I variant.

Claim 18 (withdrawn): A method of producing a CBH I variant comprising the steps of:

- (a) culturing the host cell according to claim 15 in a suitable culture medium under suitable conditions to produce CBH I variant;
- (b) obtaining said produced CBH I variant.

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Claim 19 (withdrawn): A method of producing a CBH I variant comprising the steps of:

- (a) culturing the host cell according to claim 16 in a suitable culture medium under suitable conditions to produce CBH I variant;
- (b) obtaining said produced CBH I variant.

Claim 20 (withdrawn): A detergent composition comprising a surfactant and a CBH I variant, wherein said CBH I variant comprises a CBH I variant according to claim 1.

Claim 21 (withdrawn): The detergent according to claim 20, wherein said detergent is a laundry detergent.

Claim 22 (withdrawn): The detergent according to claim 20, wherein said detergent is a dish detergent.

Claim 23 (withdrawn): A feed additive comprising a CBH I variant according to claim 1.

Claim 24 (withdrawn): A method of treating wood pulp comprising contacting said wood pulp with a CBH I variant according to claim 1.

Claim 25 (withdrawn): A method of converting biomass to sugars comprising contacting said biomass with a CBH I variant according to claim 1.

Claims 26 (New): A variant *H. jecorina* CBH1 cellulase, wherein said variant comprises a substitution or deletion at a position corresponding to T66 of the mature *H. jecorina* CBH1 protein (SEQ ID NO: 2), wherein said variant *H. jecorina* CBH1 cellulase has cellulolytic activity and has at least 95% sequence identity to SEQ ID NO: 2.

Claim 27 (New) A variant *H. jecorina* CBH1 cellulase according to Claim 26, wherein said variant further comprises a substitution at a position corresponding to a residue selected from the group consisting of Q186(E), S195(A/F), E239S, G242(H/Y/N/S/T/D/A) and P412(T/S/A).

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Claim 28 (New) A variant *H. jecorina* CBH1 cellulase, wherein said variant consists of a substitution or deletion at a position corresponding to T66 of the mature *H. jecorina* CBH1 protein (SEQ ID NO: 2), wherein said variant *H. jecorina* CBH1 cellulase has cellulolytic activity.

Claim 29 (New) A variant *H. jecorina* CBH1 cellulase according to Claim 28, wherein said variant further comprises a substitution at a position corresponding to a residue selected from the group consisting of Q186(E), S195(A/F), E239S, G242(H/Y/N/S/T/D/A) and P412(T/S/A).